

GenCore version 5.1.4_P5_4578
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OM nucleic - nucleic search, using sw model

Run on: March 30, 2003, 02:55:22 ; search time 45:6407 Seconds
9333.196 Million cell updates/sec

Title: US-09-768-781-2

Perfect score: 1389

Sequence: 1 atgaaacacaagaccacaaca.....caagccaaagtgttgtctga 1389

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 892724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6/prodata/1/ina/5A_COMB.seq; *
2: /cgn2_6/prodata/1/ina/5B_COMB.seq; *
3: /cgn2_6/prodata/1/ina/6A_COMB.seq; *
4: /cgn2_6/prodata/1/ina/6B_COMB.seq; *
5: /cgn2_6/prodata/1/ina/PCITS_COMB.seq; *
6: /cgn2_6/prodata/1/ina/backfile1.seq; *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description	
1	173	12.5	1588	3	US-09-058-489-45		Sequence 45, Appl	
2	15.4	3.3	7218	1	US-08-232463-14		Sequence 14, Appl	
3	36	2.6	2700	3	US-08-815-809-4		Sequence 4, Appl	
C	4	35.2	2.5	951	1	US-07-855-412B-2		Sequence 2, Appl
C	5	35.2	2.5	951	2	US-08-308-878A-2		Sequence 2, Appl
C	6	35.2	2.5	10962	2	US-08-816-155B-6		Sequence 6, Appl
8	35.2	2.5	10962	3	US-09-079-587-6		Sequence 6, Appl	
9	35.2	2.5	19877	2	US-08-816-155B-8		Sequence 8, Appl	
10	35.2	2.5	19877	3	US-09-079-587-8		Sequence 8, Appl	
11	34.8	2.5	17410	1	US-07-841-646-3		Sequence 3, Appl	
12	34.8	2.5	17410	1	US-08-147-023-4		Sequence 3, Appl	
13	34.8	2.5	17410	1	US-08-447-570-3		Sequence 3, Appl	
14	34.8	2.5	17410	2	US-08-449-700-3		Sequence 3, Appl	
15	34.8	2.5	17410	2	US-08-441-699A-3		Sequence 3, Appl	
16	34.6	2.5	1466	2	US-08-530-960-1		Sequence 1, Appl	
17	34.6	2.5	1466	2	US-08-530-960-14		Sequence 14, Appl	
18	34.6	2.5	1466	4	US-08-659-254-1		Sequence 1, Appl	
19	34.6	2.5	1466	4	US-08-659-254-14		Sequence 14, Appl	
20	34.4	2.5	5267	3	US-08-916-555-2		Sequence 2, Appl	
21	33.6	2.4	3471	2	US-08-715-568A-2		Sequence 2, Appl	
C	22	33.6	2.4	246740	2	US-08-724-3943-20		Sequence 20, Appl
C	23	33.6	2.4	246740	2	US-08-724-3943-21		Sequence 21, Appl
C	24	33.6	2.4	246740	2	US-08-724-3943-22		Sequence 22, Appl
C	25	33.4	2.4	1503	4	US-09-463-7028-33		Sequence 33, Appl
26	33.4	2.4	3627	4	US-09-794-594-3		Sequence 3, Appl	
27	33.4	2.4	3850	4	US-09-463-7028-1		Sequence 1, Appl	

ALIGNMENTS

RESULT 1
US-09-058-489-45
; Sequence 45, Application US/09058489
; Patent No. 6103886
; GENERAL INFORMATION:
; APPLICANT: Whitehead Institute for Biomedical Research
; APPLICANT: Page, David
; TITLE OF INVENTION: Genes in the No. 6103886-Recombinant Region of
; Chromosome
; FILE REFERENCE: WH197-01PA
; CURRENT APPLICATION NUMBER: US/09/058, 489
; CURRENT FILING DATE: 1998-04-10
; EARLIER APPLICATION NUMBER: 60/041, 877
; EARLIER FILING DATE: 1997-04-11
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO: 45
; LENGTH: 1588
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (664) . . . (1051)

Query Match 12.5%; Score 173; DB 3; Length 1588;
Best Local Similarity 59.0%; Pred. No. 6/45; Indels 8; Gaps 4;
Matches 371; Conservative 0; Mismatches 250;
Query Match 12.5%; Score 173; DB 3; Length 1588;
Best Local Similarity 59.0%; Pred. No. 6/45; Indels 8; Gaps 4;
Matches 371; Conservative 0; Mismatches 250;
Qy 640 AGATGTTGCTATCCAGATCAAGTAGATGACTACAAGATTGGCTTGGCCACTAGAACCTGAGTC 699
Db 677 ATAGCATGCTGTGATGACATACTCCCTCTTATCAGTGTGTA-GGTGCCATTCAGTGTGAT 735
Qy 700 ATGTTGGCTATCCAGATCAAGTAGATGACTACAAGATTGGCTTGGCCACTAGAACCTGAGTC 759
Db 736 ATACTGCCTACATCCGACTGGCAAGTTCGTGCTTATCAGTGTGTA-GGTGCCATTCAGTGTGAT 795
Qy 760 CTCTGCATCACCATCGGGGACATGGAGTCACPTCCGGCTCCMGTATCCTGGTGC 819
Db 796 ATCTATCTCATGATGGCATTCGTTGATGTTATCTCAGCTGTGACTCTGGCATTC 855
Qy 820 TTCTCAGGCTATCCAGTGTGCTTCTAGTGTCACTTCCTGTGATCATC 879
Db 856 TTCCCTGGCATCTGATCTGAAACAGGGAGCTTACACTTCTATCATATTTGTATA 915
Qy 880 CTCTTGTGAGCCCTGGATTAAGTTCTGGAGAAAGTGGTGCAGATGGCCAAATACTGGAG 919
Db 916 TGTGTGACACATGGCTGGAGTTCTCAAAGTGGAACTCATCTTCCCTAGGACAA--CAA 973

Qy 940 AAAAACTTCCGGGCTGGCAGCTCTCGGCTGTCATTTCAGTCACCATCCTTATGCT 999
 Db 974 AAAATTCCAGATGGTAACTATGATGTTATTAATGCTAGTATGCT 1013
 Qy 1000 GGCCTCAACTTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1059
 Db 1034 GGCCTCAA TTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1064
 Qy 1060 GACAAGGGCAGAACTGGGACATATGGGCTGCACATAGTGTGAGTTGGPAGAGAT 1119
 Db 1089 GATAGAGACGGTGGACATACAACTCTAACATACAGATTCAGTGGTAAAT 1148
 Qy 1120 GTGATCATGGCTGGTTAGTTAGTCTGGATGAAAGTGTACTGATTACTGTCT 1179
 Db 1149 GTGATTAATTAATGATAATTAGTCTGGATGAAAGTGTACTGATTACTGTCT 1208
 Qy 1180 TCCTGTATTGGCTTGCAGTCATTGGCTTGCATCTCCCT 1239
 Db 1209 TCAATTATGGCTGAGTCATGGCTTAAACCTACATATTAGCCTGGCTTAAAGCTCCGC 1268
 Qy 1240 TTCTCCAGTACATGGCATCCATGGCTC 1268
 Db 1269 TCTGTAGTATTGCAACCAAGGGGRC 1297

RESULT 2
 US-08-312-463-14
 Sequence 14, Application US/08223463
 Patent No. 560367

GENERAL INFORMATION:

APPLICANT: DORNER, F.
 APPLICANT: SCHEIFINGER, F.
 APPLICANT: FALKNER, F. G.
 TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
 NUMBER OF SEQUENCES: 52
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley & Lardner
 STREET: 1800 Diagonal Road, Suite 500
 STATE: Alexandria
 COUNTRY: USA
 ZIP: 22313-0299

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/232,463

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/935,313

FILING DATE:

APPLICATION NUMBER: EP 91 114 300.6

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: BENT, Stephen A.

REGISTRATION NUMBER: 29,768

TELECOMMUNICATION INFORMATION:

TELEFAX: (703) 836-5300

TELEX: 899149

SEQUENCE CHARACTERISTICS:

LENGTH: 7218 base pairs

STRANDEDNESS: single

TOPOLOGY: Linear

CLOSE: PTE9PT-PLB

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

RESULT 3
 US-08-815-809-4
 Sequence 4, Application US/08815809
 Patent No. 6004777

GENERAL INFORMATION:

APPLICANT: TARTAGLIA, James
 APPLICANT: GOEBEL, Scott J.
 APPLICANT: COX, William I.
 APPLICANT: GETTIG, Russell R.
 APPLICANT: PINCUS, Steven E.
 APPLICANT: PAGELT, Enzo
 APPLICANT: JACOBSON, Bertram L.

TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND METHODS OF

MAKING AND USES THEREOF

FILE REFERENCE: 454310-3010

CURRENT APPLICATION NUMBER: US/08/815,809

CURRENT FILING DATE: 1997-03-12

NUMBER OF SEQ ID NOS: 23

SEQ ID NO: 4

LENGTH: 2700

TYPE: DNA

ORGANISM: Vaccinia virus

US-08-815-809-4

Query Match 2.6%; Score 36; DB 3; Length 2700;
 Best Local Similarity 50.6%; Pred. No. 0.3; N mismatches 85; Indels 0; Gaps 0;

Matches 87; Conservative 87;

APPLICANT: Ryan, C. A.; McGurl, B. F.; Pearce, G. L.

GENERAL INFORMATION:

TITLE OF INVENTION: "SYSTEMIN"

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

RESULT 4
 US-07-855-412B-2/C

Sequence 2, Application US/07855412B

Patent No. 5378819

GENERAL INFORMATION:

APPLICANT: Ryan, C. A.; McGurl, B. F.; Pearce, G. L.

TITLE OF INVENTION:

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Harness, Dickey & Pierce
 STREET: P.O. Box 828
 STATE: Michigan
 CITY: Troy
 COUNTRY: USA
 ZIP: 48303

COMPUTER READABLE FORM:
 COMPUTER: IBM PC/386 Compatible
 OPERATING SYSTEM: MS-DOS 4.01
 SOFTWARE: Word for Windows-t
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/855,412B
 FILING DATE: 03/19/92
 CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
 NAME: Smith, DeAnn F.
 REGISTRATION NUMBER: 36,683
 REFERENCE/DOCKET NUMBER: 7555000002
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (810) 641-1600
 TELEFAX: (810) 641-0270
 TELEX: 287637 Harness UR
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 951 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 DESCRIPTION: prosystemin cDNA; start ATG at #105
 US-07-855-412B-2

RESULT 5
 Query Match 2.5%; Score 35.2; DB 1; Length 951;
 Best Local Similarity 55.8%; Pred. No. 0.27;
 Matches 67; Conservative 0; Indels 0; Gaps 0;
 Qy 1123 ATCATCTCCTGCACTTAAAGTTCTTGGAGTGAAGTGTACTGAAATTACTGTCAATTCTTCATTCC 1182
 Db 497 ATCATCTCCTGCACTTAAAGTTCTTGGAGTGAAGTGTACTGAAATTACTGTCAATTCTTCATTCC 438
 Qy 1183 TTGATTTGCGCTTGAGCTCATATTGCTTATCTGATTCATGGCTCATGGCTCATGCTTCATTCTTCATTCC 1242
 Db 437 TTCAATTCTCCTCTCATACTCAACCTTGTATTCTCTGATCATCTTCATTCTTCATTCC 378

RESULT 6
 Query Match 2.5%; Score 35.2; DB 2; Length 951;
 Best Local Similarity 55.8%; Pred. No. 0.27;
 Matches 67; Conservative 0; Indels 0; Gaps 0;
 Qy 1123 ATCATCTCCTGCTTAAAGTTCTTGGAGTGAAGTGTACTGAAATTACTGTCAATTCTTCATTCC 1182
 Db 497 ATCATCTCCTGCTTAAAGTTCTTGGAGTGAAGTGTACTGAAATTACTGTCAATTCTTCATTCC 438
 Qy 1183 TTGATTTGCGCTTGAGCTCATATTGCTTATCTGATTCATGGCTCATGGCTCATGCTTCATTCTTCATTCC 1242
 Db 437 TTCAATTCTCCTCTCATACTCAACCTTGTATTCTCTGATCATCTTCATTCTTCATTCC 378

RESULT 6
 Query Match 2.5%; Score 35.2; DB 2; Length 951;
 Best Local Similarity 55.8%; Pred. No. 0.27;
 Matches 67; Conservative 0; Indels 0; Gaps 0;
 Qy 1123 ATCATCTCCTGCTTAAAGTTCTTGGAGTGAAGTGTACTGAAATTACTGTCAATTCTTCATTCC 1182
 Db 497 ATCATCTCCTGCTTAAAGTTCTTGGAGTGAAGTGTACTGAAATTACTGTCAATTCTTCATTCC 438
 Qy 1183 TTGATTTGCGCTTGAGCTCATATTGCTTATCTGATTCATGGCTCATGGCTCATGCTTCATTCTTCATTCC 1242
 Db 437 TTCAATTCTCCTCTCATACTCAACCTTGTATTCTCTGATCATCTTCATTCTTCATTCC 378

ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
 STREET: P.O. Box 828
 CITY: Troy
 STATE: Michigan
 COUNTRY: USA
 ZIP: 48303

COMPUTER READABLE FORM:
 MEDIUM TYPE: Discrete-5.25 inch, 1.2MB storage
 COMPUTER: IBM PC/386 Compatible
 OPERATING SYSTEM: MS-DOS 4.01
 SOFTWARE: Word for Windows-t
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/308,887A
 FILING DATE: September 19, 1994
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

RESULT 7

us-09-816-155B-6

Sequence 6, Application US/08816155B

Patent No. 5990091

GENERAL INFORMATION:

APPLICANT: TARTAGLIA, JAMES

APPLICANT: COX, WILLIAM I.

APPLICANT: GETTIG, RUSSELL R.

APPLICANT: MARTINEZ, HECTOR

APPLICANT: PAOLETTI, ENZO

APPLICANT: PINCUS, STEVEN E.

TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND

METHODS OF MAKING AND USES THEREOF

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESSEE: FROMMER LAWRENCE & HAUG LLP

STREET: 745 FIFTH AVENUE

CITY: NEW YORK

STATE: NEW YORK

COUNTRY: USA

ZIP: 10151

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/816,155B

FILING DATE: 12-MAR-1997

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: KOVALSKI, THOMAS J.

REGISTRATION NUMBER: 32,147

REFERENCE/DOCKET NUMBER: 454310-2990

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-588-0800

TELEFAX: 212-588-0500

SEQUENCE CHARACTERISTICS:

LENGTH: 10962 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE CHARACTERISTICS:

LENGTH: 10962 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-09-816-155B-6

Query Match 2.5%; Score 35.2; DB 2; Length 10962;

Best Local Similarity 54.7%; Pred. No. 1.5;

Matches 70; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 400 CTCAACTGTGAAAGAGGAGCAGGAGGCCPATGTCAGCCNACCCGAAAGAG 459

Db 1912 CTCACTTTAAAGAAAGGGGGTTAGAAGGGTAAATCTTCTGAAGGACAG 1971

Qy 460 ATGCTAAATAGATGCGAGGGGTGCTGATAGATGGGGACTCCATCGGAC 519

Db 1972 ATATCTATGTTCTGCACTCTGAAAGGAAATTCTTCTCCAAATC 2031

Qy 520 CTGGCTAT 527

Db 2032 TTCCCGAT 2039

RESULT 9

US-09-816-155B-8

Sequence 8, Application US/08816155B

Patent No. 5990091

GENERAL INFORMATION:

APPLICANT: TARTAGLIA, JAMES

APPLICANT: COX, WILLIAM I.

APPLICANT: GETTIG, RUSSELL R.

APPLICANT: MARTINEZ, HECTOR

APPLICANT: PAOLETTI, ENZO

APPLICANT: PINCUS, STEVEN E.

TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND

METHODS OF MAKING AND USES THEREOF

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESSEE: FROMMER LAWRENCE & HAUG LLP

STREET: 745 FIFTH AVENUE

APPLICANT: PAOLETTI, ENZO

APPLICANT: MARTINEZ, HECTOR

APPLICANT: COX, WILLIAM I.

APPLICANT: GETTIG, RUSSELL R.

APPLICANT: PINCUS, STEVEN E.

RESULT 8

US-09-816-155B-6

Sequence 6, Application US/09079587

Patent No. 6130066

GENERAL INFORMATION:

APPLICANT: TARTAGLIA, JAMES

APPLICANT: COX, WILLIAM I.

APPLICANT: GETTIG, RUSSELL R.

APPLICANT: MARTINEZ, HECTOR

APPLICANT: PAOLETTI, ENZO

CITY: NEW YORK
 STATE: NEW YORK
 COUNTY: USA
 ZIP: 10151

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/816,155B
 PILING DATE: 12-MAR-1997

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:
 NAME: KOWALSKI, THOMAS J.
 REGISTRATION NUMBER: 32,147
 REFERENCE/DOCKET NUMBER: 454310-2990
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-588-0800
 TELEFAX: 212-588-0500

INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19877 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)

US-08-816-155B-8

Query Match 2.5%; Score 35.2; DB 2; Length 19877;
 Best Local Similarity 54.7%; Pred. No. 2.3;
 Matches 70; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 400 CTCACACTGTGGAAAGGGCAGAGGGCCTATGTCAGCTAACCCAAAGAG 459
 Db 10827 CTCACTTTTAAAGAAAGGGCTTAATTCTAACGAAAGACAG 10886

Qy 460 ATGCTAATAGATGGAGGGCTGATGATAATTCATTCATGAAAGTGAATTCCTCAAACTC 10946
 Db 10887 ATATTCATGTTTCGTGCACTATAGAAGTGAATTCCTCAAACTC 10946

Qy 520 CTGGCTAT 527
 Db 10947 TTCCCGAT 10954

RESULT 11

US-07-841-646-3

Sequence 3, Application US/07841646

Patent No. 5266583

GENERAL INFORMATION:
 APPLICANT: OPPERMANN, HERMANN
 APPLICANT: OZRAYNAK, ENGIN
 APPLICANT: KUBERASAMPATH, THANGAVEL
 APPLICANT: RUEGER, DAVID C.
 APPLICANT: PANG, ROY H.L.
 TITLE OF INVENTION: OSTEOGENIC DEVICES
 NUMBER OF SEQUENCES: 33
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: TESTA, HURWITZ & THIBEAULT
 STREET: 53 STATE STREET
 CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: U.S.A.
 ZIP: 02109

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25

US-09-079-587-8

Sequence 8, Application US/09079587

Patent No. 6130066

GENERAL INFORMATION:
 APPLICANT: TARTAGLIA, JAMES
 APPLICANT: COX, WILLIAM I.
 APPLICANT: GETTIG, RUSSELL R.
 APPLICANT: MARTINEZ, HECTOR
 APPLICANT: PAOLETTI, ENZO
 APPLICANT: PINCUS, STEVEN E.
 TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND
 TITLE OF INVENTION: METHODS OF MAKING AND USES THEREOF
 NUMBER OF SEQUENCES: 48
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: FORMER LAWRENCE & HAUG LLP
 STREET: 745 FIFTH AVENUE
 CITY: NEW YORK
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 10151

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 660,162
 FILING DATE: 22-FEB-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 621,988
 FILING DATE: 04-DEC-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 621,849
 FILING DATE: 04-DEC-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 616,374
 FILING DATE: 21-NOV-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 600,024
 FILING DATE: 18-OCT-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 599,543
 FILING DATE: 18-OCT-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 579,865
 FILING DATE: 07-SEP-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 560,920
 FILING DATE: 20-AUG-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 483,913
 FILING DATE: 22-FEB-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 422,613
 FILING DATE: 17-OCT-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 315,342
 FILING DATE: 23-FEB-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 232,630
 FILING DATE: 15-AUG-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 179,460
 FILING DATE: 08-APR-1988
 ATTORNEY/AGENT INFORMATION:
 NAME: PITCHER, EDMUND R.
 REGISTRATION NUMBER: 27,829
 REFERENCE/DOCKET NUMBER: CRP-001CP6
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/248-7000
 TELEFAX: 617/248-7100
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17410 base pairs
 TYPE: NUCLEAR ACID
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ORIGINAL SOURCE:
 ORGANISM: homo sapiens
 NAME/KEY: exon
 LOCATION: 3192..3730
 OTHER INFORMATION: /label= EXON-1
 OTHER INFORMATION: /note= "START CODON BEGINS AT POSITION 3313"
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 10413..10414
 OTHER INFORMATION: /label= GAP-1
 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITION 10413 AND 10414 IN OTHER INFORMATION: THIS SEQUENCE."
 FEATURE:
 NAME/KEY: exon
 LOCATION: 11059..111211
 OTHER INFORMATION: /label= EXON-3
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 111351..111352
 OTHER INFORMATION: /label= GAP-3
 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITION 111351 AND 111352 IN OTHER INFORMATION: THIS SEQUENCE."
 FEATURE:
 NAME/KEY: exon
 LOCATION: 11420..11617
 OTHER INFORMATION: /label= EXON-4
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: 11721..11722
 OTHER INFORMATION: /label= GAP-4
 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITION 11721 AND 11722 IN OTHER INFORMATION: THIS SEQUENCE."
 FEATURE:
 NAME/KEY: exon
 LOCATION: 13354..13436
 OTHER INFORMATION: /label= EXON-5
 FEATURE:
 NAME/KEY: exon
 LOCATION: 15044..15160
 OTHER INFORMATION: /label= EXON-6
 FEATURE:
 NAME/KEY: exon
 LOCATION: 17245..17410
 OTHER INFORMATION: /label= EXON-7
 US-07-84-646-3
 Query Match 2.5% Score 34.8; DB 1; Length 17410;
 Best Local Similarity 53.7%; Pred. No. 2,9;
 Matches 72; Conservative 0; Mismatches 62; Indels 0; Gaps 0;
 Qy 1116 GAATGATATGCTCTGGTTTAAGCTCTGGATGAACTTACTGATTACTG 1175
 Db 741 GCATGTCCTCTCGCCCTGGCTCTGAATTGTTCCAGAGAGTGTAGACAGATCTG 800
 Qy 1176 TCATTCCTGATTCCTGCACTCATTTGCTATTCATGGCTTCATGCT 1235
 Db 801 CCTCTCCATGCTGATCTTATAGGGCTCTGCTTCCTGGAGGG 860
 Qy 1236 CCTTTCTCTCAGT 1249
 Db 861 GCTCTTGATGGAGT 874
 RESULT 12
 US-08-147-023-3
 Sequence 3, Application US/08147023
 ; GENERAL INFORMATION:
 ; Patent No. 5468845
 ; APPLICANT: OEPERMANN, HERMANN
 ; APPLICANT: OZKAYNAK, ENGIN
 ; APPLICANT: KUBERASAMPATH, THANGAVEL
 ; APPLICANT: RUEGER, DAVID C.
 ; APPLICANT: PANG, ROY H.-L.
 ; TITLE OF INVENTION: OSTEOGENIC DEVICES
 ; NUMBER OF SEQUENCES: 33
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
 ; STREET: 53 STATE STREET

CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: U.S.A.
 ZIP: 02109
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/147, 023
 FILING DATE: 21-FEB-1992
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 810, 560
 FILING DATE: 20-DEC-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 827, 052
 FILING DATE: 28-JAN-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 660, 162
 FILING DATE: 22-FEB-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 621, 988
 FILING DATE: 04-DEC-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 621, 849
 FILING DATE: 04-DEC-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 616, 374
 FILING DATE: 21-NOV-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 600, 024
 FILING DATE: 18-OCT-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 599, 543
 FILING DATE: 18-OCT-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 579, 865
 FILING DATE: 07-SEP-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 569, 920
 FILING DATE: 20-AUG-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 483, 913
 FILING DATE: 22-FEB-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 422, 613
 FILING DATE: 17-OCT-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 315, 342
 FILING DATE: 23-FEB-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 232, 630
 FILING DATE: 15-AUG-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 179, 460
 FILING DATE: 08-APR-1988
 ATTORNEY/AGENT INFORMATION:
 NAME: PITCHER, EDMUND R.
 REGISTRATION NUMBER: 27, 829
 TELECOMMUNICATION INFORMATION:
 REFERENCE DOCKET NUMBER: CRP-001CP6
 TELEPHONE: 617/448-7000
 TELEFAX: 617/248-7100
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17410 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ORIGINAL SOURCE:

; ORGANISM: homo sapiens
 ; FEATURE: exon
 ; NAME/KEY: exon
 ; LOCATION: 3192..3730
 ; OTHER INFORMATION: /label= EXON-1
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: 10413..10414
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 ; FEATURE:
 ; NAME/KEY: exon
 ; LOCATION: 11059..11211
 ; OTHER INFORMATION: /label= EXON-3
 ; FEATURE:
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 ; OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITIONS 11351 AND 11352 IN THIS SEQUENCE."
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 ; NAME/KEY: exon
 ; LOCATION: 11420..11617
 ; OTHER INFORMATION: /label= EXON-4
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 ; FEATURE:
 ; NAME/KEY: exon
 ; LOCATION: 13354..13436
 ; OTHER INFORMATION: /label= EXON-5
 ; FEATURE:
 ; NAME/KEY: exon
 ; LOCATION: 15044..15160
 ; OTHER INFORMATION: /label= EXON-6
 ; FEATURE:
 ; NAME/KEY: exon
 ; LOCATION: 17245..17410
 ; OTHER INFORMATION: /label= EXON-7
 ; OTHER INFORMATION: US-08-147-023-3

Query Match 2.5%; Score 34.8; DB 1; Length 17410;
 Best Local Similarity 53.7%; Pred. No. 2.9;
 Matches 72; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

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 Db 741 GCAATGTCCTCTGCTGCTGCTGATGTTCCAGAGAGTGTAGACAGATCTG 800

Qy 1176 TCAATTCCCTGATGCCCTGCACTATTTGATTTCCATTTGCTCTGCTCTG 1235
 Db 801 CCTCTCCCTGATGCCCTGAAATCTTAAAGGTCTTCCTGCTGAGGG 860

Qy 1236 CCTTTCTTCAGT 1249

Db 861 ||||| GCTCTTGATGGAGT 874

RESULT 1.3
 US-08-447-570-3
 Sequence 3, Application US/08447570
 GENERAL INFORMATION:
 APPLICANT: OPPERMAN, HERMANN
 APPLICANT: KUBERA-SAMPATH, THANGAVEL
 APPLICANT: RUEGER, DAVID C.
 APPLICANT: PANG, ROY H.L.
 TITLE OF INVENTION: OSTEOGENIC DEVICES
 NUMBER OF SEQUENCES: 33
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: TESTA, HURWITZ & THIBEAULT
 STREET: 53 STATE STREET
 CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: U.S.A.
 ZIP: 02109

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/447,570
 FILING DATE: 21-FEB-1992
 CLASSIFICATION: 536

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 810,560
 FILING DATE: 20-DEC-1991

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 827,052
 FILING DATE: 28-JAN-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 660,162
 FILING DATE: 22-FEB-1991

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 621,988
 FILING DATE: 04-DEC-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 621,849
 FILING DATE: 04-DEC-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 615,374
 FILING DATE: 21-NOV-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 600,024
 FILING DATE: 18-OCT-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 599,543
 FILING DATE: 18-OCT-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 579,865
 FILING DATE: 07-SEP-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 569,920
 FILING DATE: 20-AUG-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 483,913
 FILING DATE: 22-FEB-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 422,613
 FILING DATE: 17-OCT-1989

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 315,342
 FILING DATE: 23-FEB-1989

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 232,630

FILING DATE: 15-AUG-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 179,460
 FILING DATE: 08-APR-1988
 ATTORNEY/AGENT INFORMATION:
 NAME: PITCHER, EDMUND R.
 REGISTRATION NUMBER: 27,829
 REFERENCE/DOCKET NUMBER: CRP-001CP6
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/248-7000
 TELEFAX: 617/248-7100
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17410 base pairs
 TYPE: nucleic acid
 SPANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ORIGINAL SOURCE:
 ORGANISM: homo sapiens
 FEATURE:
 NAME/KEY: exon
 LOCATION: 3192..3730
 OTHER INFORMATION: /label= EXON-1
 OTHER INFORMATION: /note= "START CODON BEGINS AT POSITION 3313"
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: 10415..10414
 OTHER INFORMATION: /label= GAP-1
 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITIONS 10413 AND 10414 IN THIS SEQUENCE."
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 LOCATION: 10696..10831
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 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITIONS 11331 AND 11352 IN THIS SEQUENCE."
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 NAME/KEY: exon
 LOCATION: 11059..11211
 OTHER INFORMATION: /label= EXON-3
 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITIONS 11721 AND 11722 IN THIS SEQUENCE."
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: 11351..11352
 OTHER INFORMATION: /label= GAP-3
 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITIONS 11331 AND 11352 IN THIS SEQUENCE."
 FEATURE:
 NAME/KEY: exon
 LOCATION: 11420..11617
 OTHER INFORMATION: /label= EXON-4
 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITIONS 11721 AND 11722 IN THIS SEQUENCE."
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: 11721..11722
 OTHER INFORMATION: /label= GAP-4
 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO BE MISSING BETWEEN POSITIONS 11721 AND 11722 IN THIS SEQUENCE."
 FEATURE:
 NAME/KEY: exon
 LOCATION: 13354..13436
 OTHER INFORMATION: /label= EXON-5
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 FEATURE:
 NAME/KEY: exon
 LOCATION: 15044..15160
 OTHER INFORMATION: /label= EXON-6

FEATURE:
 NAME/KEY: exon
 LOCATION: 17245..17410
 OTHER INFORMATION: /label= EXON-7

US-08-447-570-3

Query Match 2.5%; Score 34.8; DB 1; Length 17410;
 Best Local Similarity 53.7%; Pred. No. 2.9;
 Matches 72; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Qy 1116 GATGTGATCATGGCTCTGGTTAAGTCTTGGAGTGAAGTGTATTAGTG 1175
 Db 741 GCATGTCCTCCTGCTGCTGCTGCTGAAATGTTCCAGAGTGATAGACAGATCTG 800

Qy 1176 TCAATTCCCTGATGCCGCTGAGCTCATATTGCTTATCTGATTTCATGGCTCATGCT 1235
 Db 801 CCTCTCCTCAGTCCTGATCTTATTAAAGCTTCTGGCTGGGGCG 860

Qy 1236 CCTTTCTTCAGTCAGTCCTGATCTTATTAAAGCTTCTGGCTGGGGCG 860
 Db 861 GCTCTGATGGAGT 874

RESULT 414
 US-08-449-700-3
 Sequence 3 Application US/08449700
 Patent No. 5863758

GENERAL INFORMATION:
 APPLICANT: OPPERMANN, HERMANN
 APPLICANT: OZKAYNAK, ENGIN
 APPLICANT: KUBERASAMPATH, THANGAVEL
 APPLICANT: RUEGER, DAVID C.
 APPLICANT: PANG, ROY H.I.
 TITLE OF INVENTION: OSTEOGENIC DEVICES
 NUMBER OF SEQUENCES: 33
 CORRESPONDENCE ADDRESS:
 ADDRESS: TESTA, HURWITZ & THIBEAULT
 STREET: 53 STATE STREET
 CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: U.S.A.
 ZIP: 02109

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/449,700
 FILING DATE: 21-FEB-1992
 CLASSIFICATION: 530

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 810,560
 FILING DATE: 20-DEC-1991

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 827,052
 FILING DATE: 28-JAN-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 660,162
 FILING DATE: 22-FEB-1991

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 621,988
 FILING DATE: 04-DEC-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 621,849
 FILING DATE: 04-DEC-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 616,374
 FILING DATE: 21-NOV-1990

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 600,024
 FILING DATE: 18-OCT-1990

PRIOR APPLICATION DATA:

FEATURE: exon
 NAME/KEY: exon
 LOCATION: 11420..11617
 OTHER INFORMATION: /label= EXON-4

FEATURE: misc_feature
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 LOCATION: 11721..11722
 OTHER INFORMATION: /note= "APPROXIMATELY BASES ARE ESTIMATED TO OTHER INFORMATION: BE MISSING BETWEEN POSITIONS 11721 AND 11722 IN OTHER INFORMATION: THIS SEQUENCE."
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 NAME/KEY: exon
 LOCATION: 13354..13436
 OTHER INFORMATION: /label= EXON-5

FEATURE: exon
 NAME/KEY: exon
 LOCATION: 15044..15160
 OTHER INFORMATION: /label= EXON-6

FEATURE: exon
 NAME/KEY: exon
 LOCATION: 17245..17410
 OTHER INFORMATION: /label= EXON-7

US-08-449-700-3

Query Match Score 34.8; DB 2; Length 17410;
 Best Local Similarity 53.7%; Pred. No 2 9; Indels 0; Gaps 0;
 Matches 72; Conservative 0; Mismatches 62;

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Qy 1176

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Db 801	CCTCTCCCTCTGCTGGTCTGAACTTATTAGGTCTGCTTCCTGGCTGGGGCG	860

Qy 1236

CCTTCTCTCCAT	1249	
Db 861	GCTCTGATGGAG	874

RESULT 15

US-08-449-694-3

Sequence 3, Application US/08449699A

Patent No. 5554441

GENERAL INFORMATION:

APPLICANT: OPPERMANN, HERMANN
 APPLICANT: OZKAYNAK, ENGIN
 APPLICANT: KUBERASAMPATH, THANGAVEL
 APPLICANT: RUBGER, DAVID C.
 APPLICANT: PANG, ROY H.L.

TITLE OF INVENTION: ANTIBODIES TO OSTEOGENIC PROTEINS

NUMBER OF SEQUENCES: 33

CORRESPONDENCE ADDRESS:

ADDRESSEE: TESTA, HURNITZ & THIBEAULT
 STREET: 125 HIGH STREET
 CITY: BOSTON
 STATE: MASSACHUSETTS
 COUNTRY: U.S.A.
 ZIP: 02110

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Re-Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/449,699A
 FILING DATE: 24-MAY-1995
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/147,023
 FILING DATE: 01-NOV-1993

ATTORNEY/AGENT INFORMATION:

NAME: PITCHER, EDMUND R.
 LOCATION: 27-829
 REFERENCE/DOCKET NUMBER: STX-001CP6CN
 TELECOMMUNICATION:
 TELEPHONE: 617/248-7000
 TELEFAX: 617/248-7100
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 17410 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 ORIGINAL SOURCE:
 ORGANISM: homo sapiens
 FEATURE: misc_feature
 LOCATION: 10413..10414
 OTHER INFORMATION: /label= GAP-1
 NAME/KEY: exon
 LOCATION: 3192..3730
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 FEATURE:
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 LOCATION: 10413..10414
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 NAME/KEY: exon
 LOCATION: 11059..11211
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 LOCATION: 11420..11617
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 NAME/KEY: exon
 LOCATION: 13354..13436
 OTHER INFORMATION: /label= EXON-5
 FEATURE:
 NAME/KEY: exon
 LOCATION: 15044..15160
 OTHER INFORMATION: /label= EXON-6
 FEATURE:
 NAME/KEY: exon
 LOCATION: 17245..17410
 OTHER INFORMATION: /label= EXON-7

US-08-449-699A-3

Query Match Score 34.8; DB 2; Length 17410;
Best Local Similarity 53.7%; Pred. No. 2.9;
Matches 72; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Qy 1116 GAATGTGATCATGGCTCCTGGCTTAAGTTCTTGGACTGAAACTGTTACTGAAATTACNG 1175
Db 741 GCATGTCCTCCTGGCCCTGGCTTGAAATGGTTCCAGAGAGTGATGATGAGATCTG 800

Qy 1176 TCATTCCTGATTCCTTGAGCTCATTTATGGCTTATCTGATTTCATGGCTCATGCT 1235
Db 801 CCCTCCCTCAGTCCTGAAATCTTATTTAGGCTTCTGGCTTGGCTGGAGGCG 860

Qy 1236 CCTTTCTCCAGT 1249
Db 861 GCTCTTGATGGAGT 874

Search completed: March 30, 2003, 05:53:05
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